ENHANCE TECHNOLOGY, INC.
Where Storage Begins

E800 MS v.1.0

Enhance BOX

E800 MS

8 Bay Simple & Efficient Mini SAS Desktop Storage

W WIN M MAC L Linux

Quick start guide

www.enhance-tech.com

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E800 MS

Quick start guide

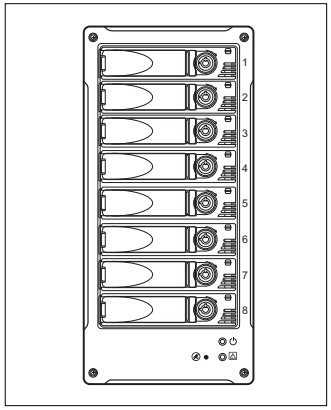
1 Welcome

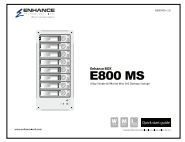
Thank you for choosing Enhance Technology

Thank you for buying Enhance Tecenology E800 Series, A 8-bay desktop Mini SAS solution for professionals who demand exceptional data protection. Featuring up to 16TB of capacity, cable-less backplane and Mini SAS connectivity for PC and Mac.

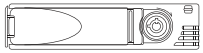
2 What is in the box?

Carefully unpack your E800 MS storage system, and inventory the accessories according to your model type.

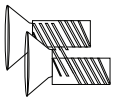




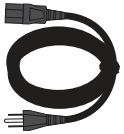
Quick Install Guide- Qty 1



Hot-swap Disk Trays - Qty 8



HDD Mounting Hardware - Qty 32



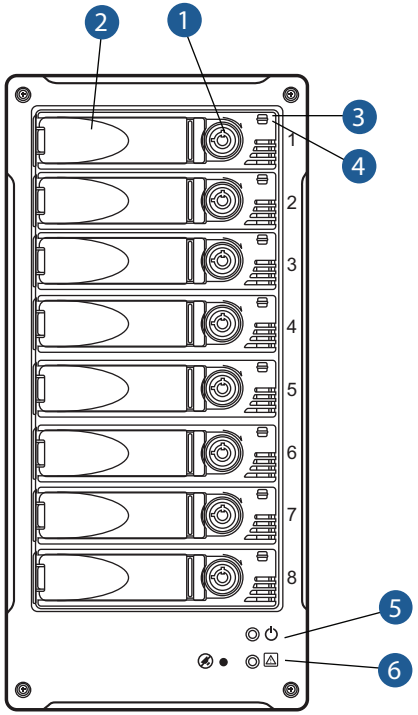
Standard IEC Power Cable - Qty 1
Mini SAS Cables - Qty 2

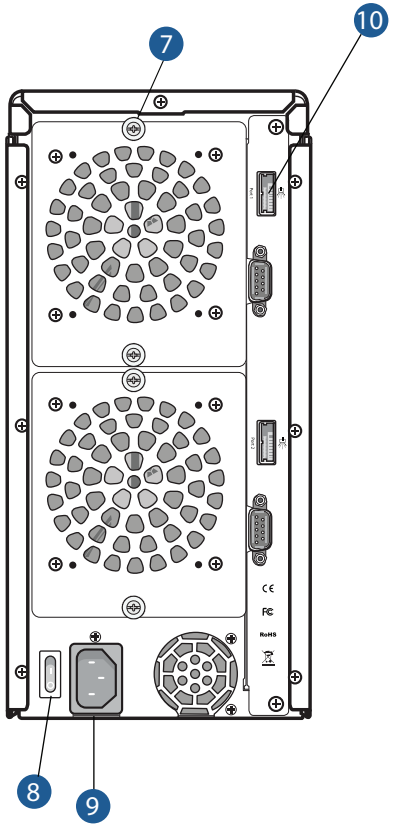
3 Unpack your E800 MS

Unpack all components including the HDD mounting screws, key sets and cables. If you are missing any of the items mentioned above, please contact your dealer or contact Enhance Technology at www.enhance-tech.com.

4 Understanding your E800 MS

Learn and identify each component of E800 MS





Front:
1. Security Key Lock
2. Hot-swap HDDs Tray
3. Power LED
4. HDD Active LED
5. Fan Error LED
6. Alarm Mute Button

Rear:
7. Thumb Screw for FAN module
8. Power Switch
9. ATX PS2 Power Supply
10. Mini SAS SFF8088 port

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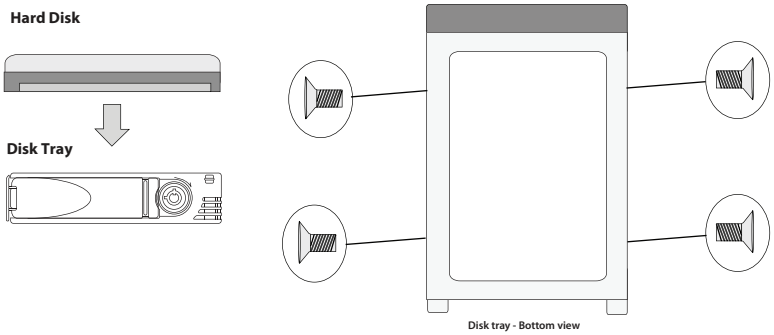
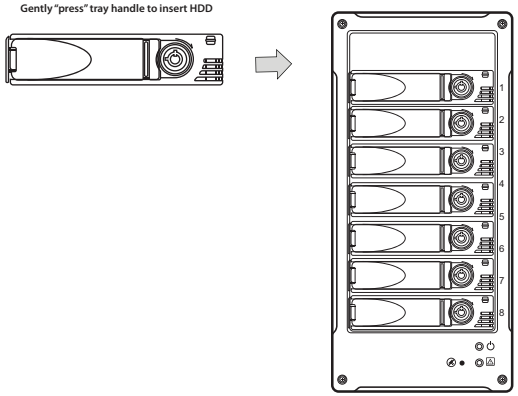
5 Disk Installation

If your system was purchased with capacity, please skip this section and immediately go to next section. If your system was purchased without disks, install each disk into the provided disk trays and fasten using the supplied hdd screws. Do not use any other mounting screws other than the ones provided with your system. System or disk damage may occur if using non-approved mounting hardware.



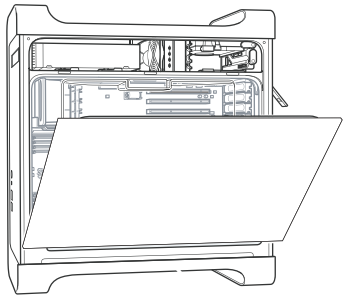
6 Insert Disk Module

After fastening each disk, insert the disk trays in the open disk bay on your system. For added securityvnhfgd, your system is equipped with locking disk bays to prevent accidental or malicious disk removal.



7 HBA/RAID Controller Installation

Your E800 MS features a RAID-ready JBOD architecture. This provides the best support for a wide range of host bus adapters & PCI RAID controllers. Always follow your HBA/RAID controller's installation procedure to ensure proper operation.



1. Touch the metal PCI slot covers on the back of your computer to discharge any static electricity.

2. Unplug ALL cables from your computer, and remove the side access panel according to your system type.

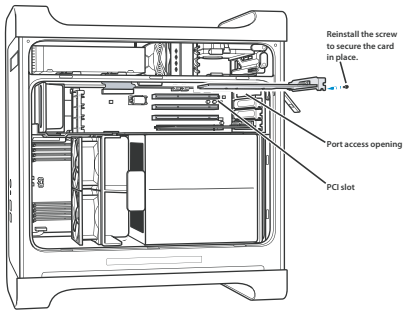
3. Apple G5 users must first remove the deflector cover and place it on a clean, safe surface.

NOTE: Remember to replace the air deflector after you have finished installing your HBA/RAID controller card.

WARNING: Allow a few minutes for the internal computer compenents to cool down before opening your computer system.

8 HBA/RAID Controller Installation - Cont'd

Please follow your HBA/RAID controller's driver installation notes to ensure operation & hassle free configuration.



1. Remove the PCI slot cover plate from an available PCI slot. Consult your HBA or video capture card for recommended slot postions.

2. Install & secure your PCI controller card into the slot and firmly press the card into place. For Mac 2006 and 2008 version users please install the PCIe card into the slot #4. For Mac 2009 and 2010 version users please install the PCIe card into the slot #2

3. Close and replace the system panel.

WARNING: To minimize the chance of electrical shock, always follow proper saftey rules when working with electrical components.

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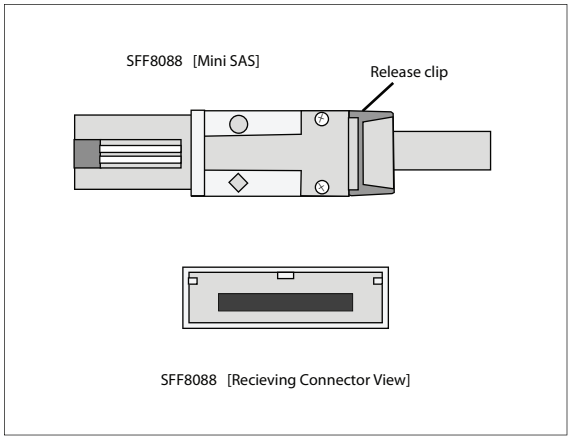
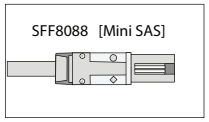
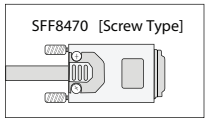
9 MiniSAS Interface Overview

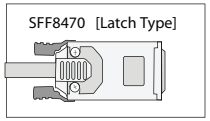
Introduction to MiniSAS Cable Types

Your E800 MS is equipped with two industry standard SFF8088 x4 MiniSAS interface ports. The correct cable type is detirmined by the HBA or RAID controller you have seleceted. Please visit our website at www.proavio.com to learn more about cable options for your HBA.



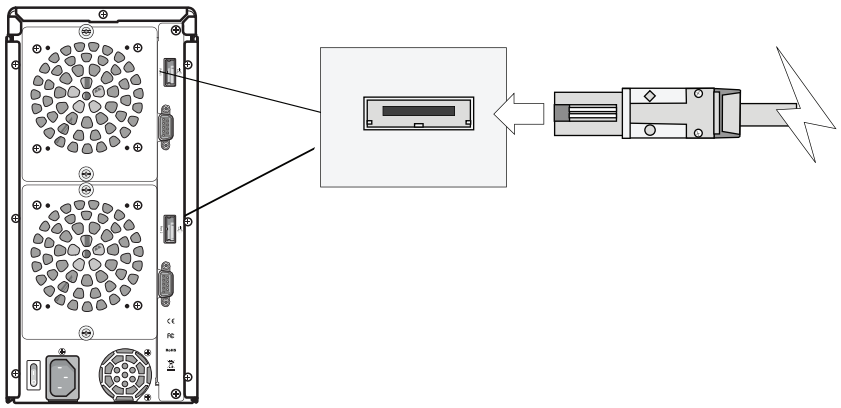






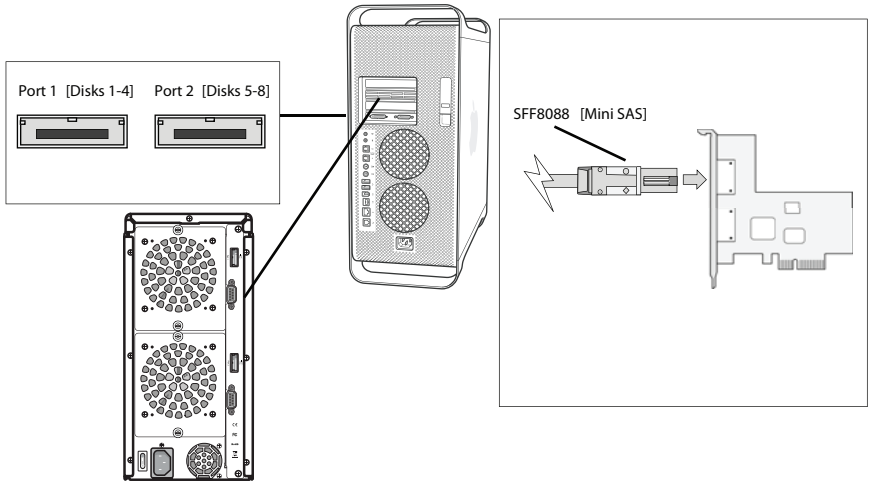
10 Connecting Your E800 MS-Cable Connection

Ensure that the Mini SAS connector is properly secured & fastned. Most commom issues are related to poor cable connection. Do not force connector into place.



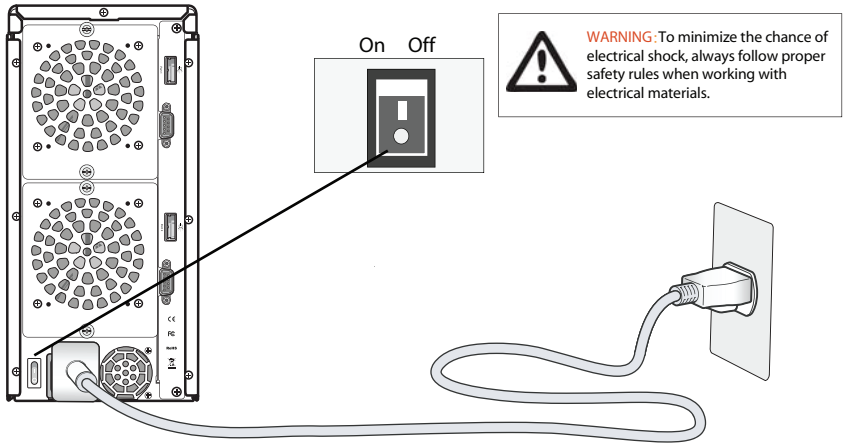
11 Connecting Your E800 MS-Host Workstation

After connecting the cable to your E800 MS connect Mini SAS cable to an open port on your MiniSAS HBA or RAID controller. Currently there is no MiniSAS connector standard. The most common interface cable types are both SFF8088-to-SFF8088, and SFF8088-to-SFF8470. To select the right cable type, please refer to you RAID card's documentation.



12 Power On

After connecting cable to your system and host computer, power-on your E800 MS first, then power-on your host computer. Your array is now ready for RAID configuration.


On Off
WARNING: To minimize the chance of electrical shock, always follow proper safety rules when working with electrical materials.

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13 Configure E800 MS

After you power on the E800 MS, you can configure the system via Web GUI that comes with HBA RAID controller. Please refer to your HBA RAID controller user menual for detail information This section is provided as a reference only. Please consult your dealer regarding the best choice of HBA/RAID controller for your media requirements.

Qualified Host Bus Adapters & PCIe RAID Controllers

Areca Technology Corporation - ARC1680x
PCI-e MiniSAS RAID controller for Mac & PC. Dual SFF8088 4x interface ports.
Supports 3Gb SATA disks. **Requires two SFF8088-to-SFF8088 MiniSAS cables.**

HighPoint Technologies - RR3522
PCI-e MiniSAS RAID controller for Mac & PC. Dual SFF8088 4x interface ports.
Supports 3Gb SATA disks. **Requires two SFF8088-to-SFF8088 MiniSAS cables.**

14 Format Volume for Mac OS

Please refer to your computer's documentation for detailed information on formatting & preparing volumes for use.

To format the drive for Mac OS X

1. Go to the Applications folder on your system hard drive.
2. Open the Utilities folder.
3. Double click on the Disk Utility Program.
4. Find the drive in the left hand window and select the drive.
5. Click on the Partition tab.
6. Under Volume Scheme select 1 Partition
7. Type a name for the drive in the box provided.
8. Select Mac OS extended under the format options.
9. Click on Partition in the Partition dialog box
10. The drive will be formatted and mounted on the desktop.

NOTE: If you wish to use the drive on PC and Mac systems we recommend leaving the drive formatted as Mac OS Extended and installing a program such as MacDrive (www.mediafour.com) on the PC systems so that PC read and work with the Mac OS Extended format.

15 Format Volume for Windows XP/Vista

To format the drive for Windows XP

1. Click on Control Panel, Performance & Maintenance, Administrative Tools.
2. Click on the Computer Management icon.
3. Click on the Disk Management Icon.
4. Right click on the new drive's icon in the right hand window.
5. Select the Format option, click yes in warning window.
6. Type a name for the drive under volume label.
7. Select perform quick format option.
8. Click OK in format warning box.
9. The drive will be formatted and available in My Computer & Windows Explorer.

16 Troubleshooting

This section covers some common support questions.
If you are experiencing an urgent issue, please contact your dealer or visit us online at www.enhance-tech.com

Connection Problems:

Always double check for loose cable connections or improperly seated disks if you experience problems where a disk or volume does not appear in your computer, or you recieve an error message stating a disk missing when you have the drives configured as a RAID set.

1. Disconnect the data cables and reconnect the cable, ensureing the connector is inserted securely in your E800-MS.
2. Make sure the connector is properly secured on your FireWire port.
3. Check your E800-MS's drive presence LEDs, located on the front panel of your array, if the LEDs are not lit, power down your E800-MS remove the disk and reinsert the disk module. After re-inserting the the disk, power-on your E800-MS.

If the problem persists, please contact your dealer or contact Enhance Tech Support department at 562-777-3488#2

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